	Application No.	Applicant(s)	
	10/650,930	KOYAMA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Kimnhung Nguyen	2629	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Re	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is si	this application. If not included nication will be mailed in due course. I	
1. This communication is responsive to Amendment filed on 5	<u>7/1/06</u> .		
2. The allowed claim(s) is/are <u>1-60</u> .			
 Acknowledgment is made of a claim for foreign priority units. a)	been received. been received in Application	ı No	the
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requiremen	ts
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give:)F
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspersor 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in th 6. DEPOSIT OF and/or INFORMATION about the depos attached Examiner's comment regarding REQUIREMENT F 	Amendment / Comment or its should be written on the header according to 37 CFF it of BIOLOGICAL MATE	n the Office action of e drawings in the front (not the back) of t 1.121(d). RIAL must be submitted. Note the	
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 5/1/06 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Su Paper No./N 7. ☐ Examiner's A	ormal Patent Application (PTO-152) mmary (PTO-413), fail Date mendment/Comment statement of Reasons to Altowance RICHARD HJERPE SUPERVISORY PATENT EXAMINATE TECHNOLOGY CENTER 260	NER O

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DETAILED ACTION

This application has been examined. The claims 1-60 are allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The present invention 1. is directed to a liquid crystal display having on an insulating substrate a plurality of source signal lines, a plurality of gate signal lines, a plurality of pixels, and a source signal line driver circuit for driving the source signal lines, wherein the source signal line driver circuit has a plurality of analog buffer circuits, wherein a switching circuit having switches is provided between the analog buffer circuits and the source signal lines, wherein the plurality of source signal lines and the plurality of analog buffer circuits constitute a circuit group. The closest prior art of Chiang ((2002/0063674) shows a similar invention, however, he fails to teach wherein a connection between one of the source signal lines and one of the analog buffer circuits is periodically switched to a connection between the one of the source signal lines and another one of the analog buffer circuits by any one the switches as claims 1-4, 25-28; or wherein a switching circuit is provided between the analog buffer circuits and the source signal lines, wherein n (n is a natural number and is equal to or larger than 2) source signal lines and n analog buffer circuits constitute a circuit group, wherein a set of n periods is periodically repeated, and wherein, in an r-th period, the switching circuit connects an m-th source signal line in the circuit group to an (m+r-1)-th analog buffer circuit and an 1-th source signal line to an (1-n+r-1)-th analog buffer circuit, respectively as claims 5-6, 29-30.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number is (571) 272-7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on (571) 272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kimnhung Nguyen June 30, 2006

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